CITY OF FALLS CHURCH

DATE: October 18, 2016

TO: Chairs Novotny and Thurston and Members of the Streetscape Taskforce

FROM: Carly Aubrey, AICP, Senior Planner

SUBJECT: Stormwater Management, Continuous Soil Trenches, and Streetscape

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Stormwater Management

At the last Streetscape Taskforce meeting, the group discussed stormwater catchment within tree planters. The group agreed it did not want planters like those in front of the Northgate building. The group did not agree on whether less noticeable designs would be appropriate and left the draft document open for discussion. This memo includes examples from other locations that could be considered.

Green Streets of Portland, Oregon

Excess runoff from the lowest planter enters the storm drain system.

The Southwest 12th Avenue planters include a strip of pavers for parked vehicle access.

The planters and vegetation fit nicely into the urban streetscape.

Each street-side planter inlet includes a small hump in the asphalt to direct water into the planter.

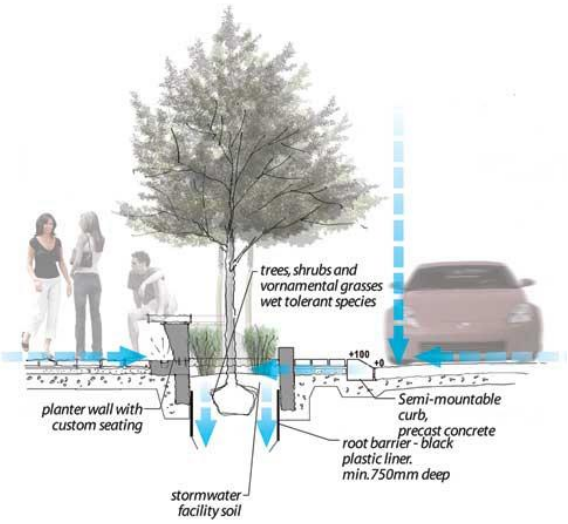
https://landperspectives.com/tag/stormwater/

Kitchener's Flexible, Pedestrian-First Streetscape

Pedestrians First

There was no question for the need for downtown parking, but it was equally important for a positive, safe and generous pedestrian environment. "Pedestrian first" means creating walkable spaces with safe seating areas that make the downtown experience a more pleasurable one. The flexible parking solution now provides parking in the winter and pedestrian plazas and patios in the summer, an ideal solution for business and the community.

http://www.landscapeonline.com/research/article.php/13721



San Francisco Better Streets Guide

http://www.sf-planning.org/ftp/BetterStreets/docs/Draft_BSP_6_Streetscape%20Elements.pdf

The Low Impact Design approach to stormwater management creates opportunities for unique and attractive streetscape design

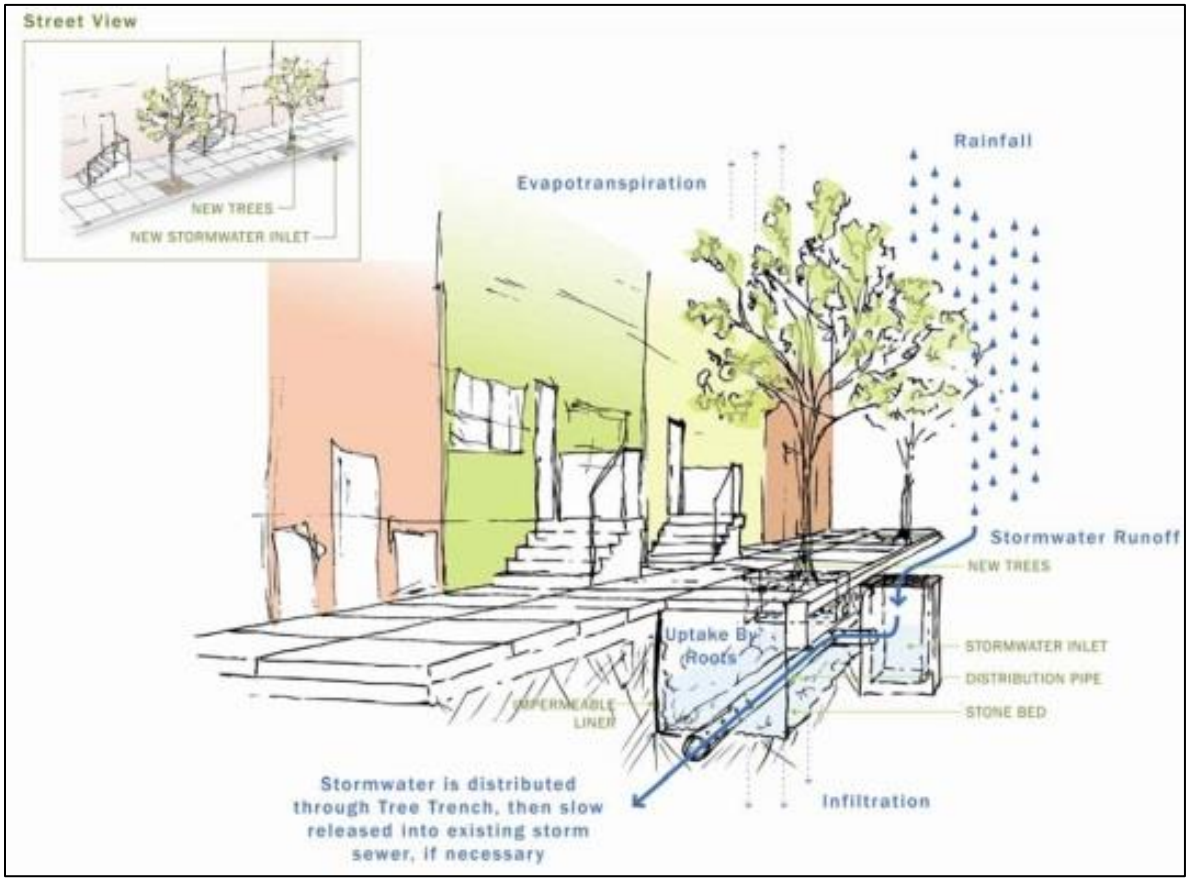
Stormwater management can be a component of many other strategies elaborated in this plan, including remediating pork chop triangles (source: Kevin Perry)

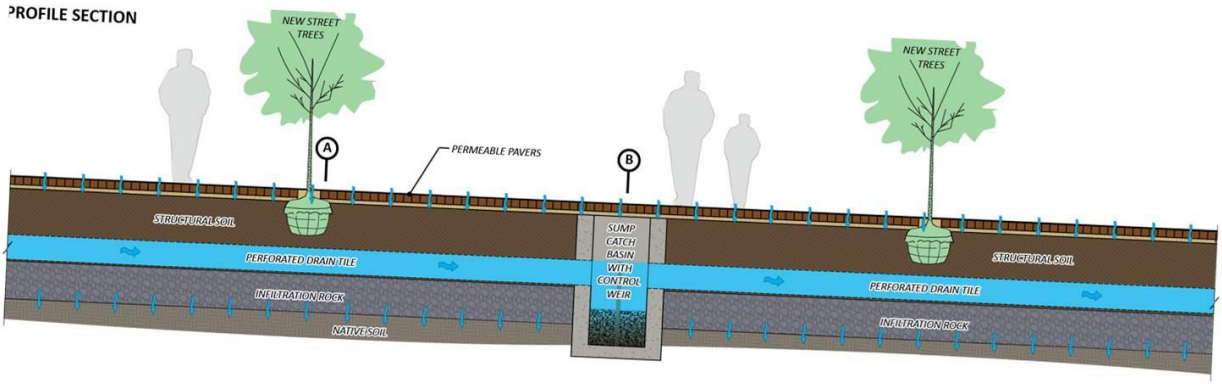
https://www.asla.org/2012awards/572.html

Portland, Oregon

Continuous Soil Trenches

Also at the September 13, 2016 meeting, the group discussed ways to expand tree soil volume while leaving more space open to pedestrian travel. The City Arborist presented ideas for cantilevered concrete and pavers. With this approach the soil bed could run nearly continuously while providing more hardscaped areas on the surface for pedestrian travel and other amenities. Below are some examples of continuous soil trenches.



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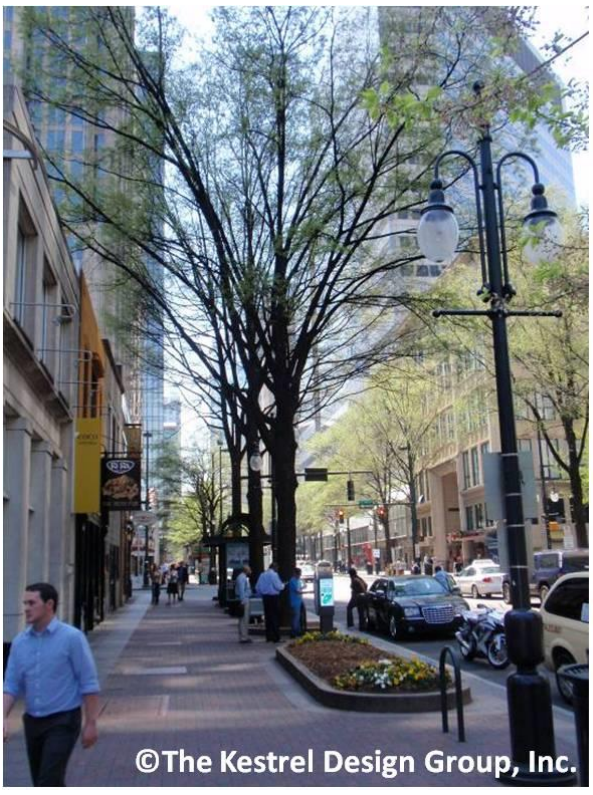
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